

Small Beer Chronicles. By The Tapster.

lers' sawdust. Pearl jeweiry may be cleaned in the same maner as that centaining diamonds, except that the benzine bath must be omitted and all the operations must be performed very quickly, so as to allow as little time as possible to intervene be-tween the first wetting of the article and placing it in the sawqust. Pearls are of-ten cemented in place, and fluids have a tendency to soften the cement, hence the need for speed.

"Is thy heart sore?" asks Waloopi. "The nis the time to read; but if thou art of good spirit, write, that others may share thy blessings." Again he is soul is in pain, dealeth wounds he knows not where; but he of an easy his soul is in pain, dealeth wounds he knows not where; but he of an easy mind, who yet feedeth on the words of another, is a glutton and a destroyer of self. Beware of these two sins." Again, "When sorrowful I seek help; when glad, I give; this way only is wise." Reading, writing and ciphering; these in our youth were the prime essentials of an average education, and even to day, a fair knowledge of these is the net result of much good schooling—and not unworthily so. For, in them is caged the soul of civ-illization. Nothing in all the thunder of modern industry, nor in the stremuous strife of commerce so differentiates the savage as does our power of stepping aside to consult with dead sages—of adding our word to the manuer; tre-stored to its original whiteness. weak the inexhaustible logic of figures. We have all learned these three simple arts—whether we have cultivated them to the best of their possibilities is doubtful—whether we have even es-caped the domination of the mathemat-ical one is a question that bears con-sideration. For this is a world of ci-phering, and soon or late, the least pro-cide of a source of our tip response of hollow-ware, like a mig of a carear is do the substitue in the streation to the best of their possibilities is doubtful—whether we have created the atthemat-ical one is a question that bears con-sideration. For this is a world of ci-phering, and soon or late, the least pro-cide of the in finger. The best way to fin-the more reason then that we should the inexthaustible logic of figures. The more reason then that we should the inextention of the mathemat-ical one is a question that bears con-sideration. For this is a world of ci-phering, and soon or late, the least pro-cide of the with a secure lid. Then the more reason then that we should the head with a secure lid. Then take a free higher from tarnishing, place a few lumps of campada in the bax of tical of us are forced under the yoke of arithmetical facts. The more reason then that we should not neglect the solace of our literary faculties, receptive and creative, nor misapprehend their relative importance when our minds are ill at ease we turn to our books. One poet sings: "The flesh is sad, alas; and all the books are read." But his, if truly de-scribed, is an exceptional case and sel-dom to be duplicated. Though the flesh be sad, often and again, the books, thank Heaven, are to all read, and whatever the doubt, the pain or trouble that oppresses, there is somewhere in your bookshelves or mine, matter that is consoling and help is somewhere in your bookshelves or mine, matter that is consoling and help AMERICAN PIGIRON. PRODUCTION. ful, if not entirely curative. They are not all read, nor can they be so, even to those who are limited by circumstances to few volumes. Good

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only two or three have made the reduc-tions necessary to render their observations of any value.

gy has been noted among astro rvatories throughout the world. Fo

tasks of observation and calculation just where they could best be performed. Every danger of duplication of wor thus be eliminated. This in indeed

a most serious consideration in astro-

example, fifty observatories set out to observe the planet Eros during its op-

osition in 1900, but as far as is known

waste of time, money, and ener

Not only would the special endowme of this new institution have to be man aged by a bord, but a close connectio with all astronomical research funds would need to be established as fast as possible in order that the incomes from these, too, should be applied in the most effective way. In fact, it would be desig able to secure a maximum of centraliza tion of astronomical interests in the nds of the one board. Membership in hands of the one board. Membership in the organization, however would cer tainly have no effect upon the amount of the appropriation offered to any given observatory; all that would be necessary would be evidence of capacity to do the required work. One advantage of this centralization scheme is that the result from the large sums of money at present invested in astronomical plants would at once be-gin to yield a richer return that now, for it must not be supposed that every dol-lar given by generous friends of science to the cause of this science is producing ideal results. As a matter of history we had at one time in the United States ceat observatory with no telescope in cope without a trained asdistinguished astrovalued observations, the years of hard work, wer ess for lack of a few hundied dollars to publish them. Even at this writing there are beautiful observa-by the United States, equipped The the United States, equipped with powerful telescopes, which lie idle and therefore uscless a great part of the night. Such an unfortunate state of things has grown up because indi-vidual donors have given money here and there without consulting the actual needs of the science of astronomy. Yet the stream of gifts continues to flow. There is no science more distinctly popular, none that appeals more disof the starry heavens. Consequently money is given freely by individuals to this institution and that. The expense of conducting the world's leading observa-

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